

Figure 1

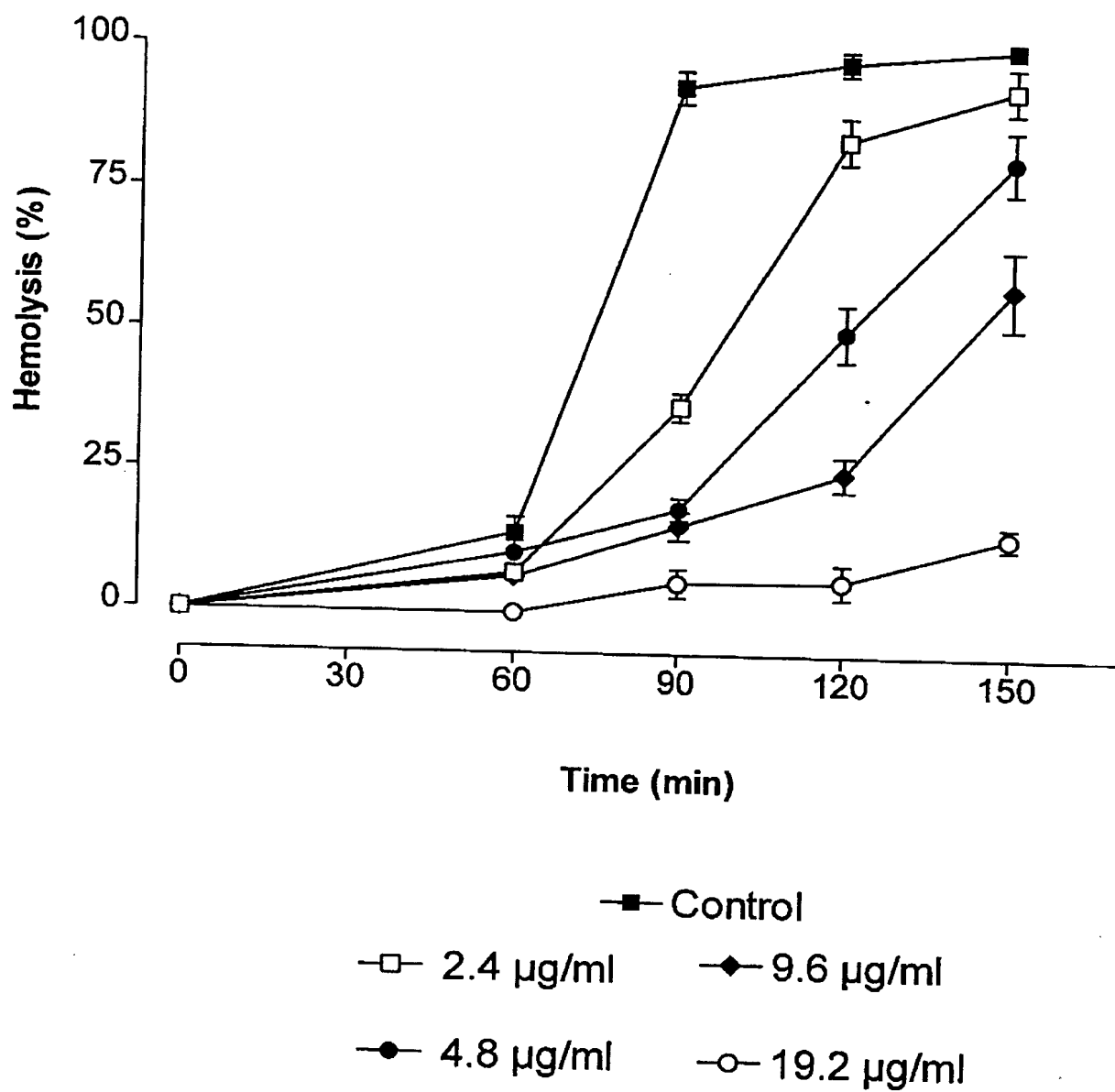


Figure 2

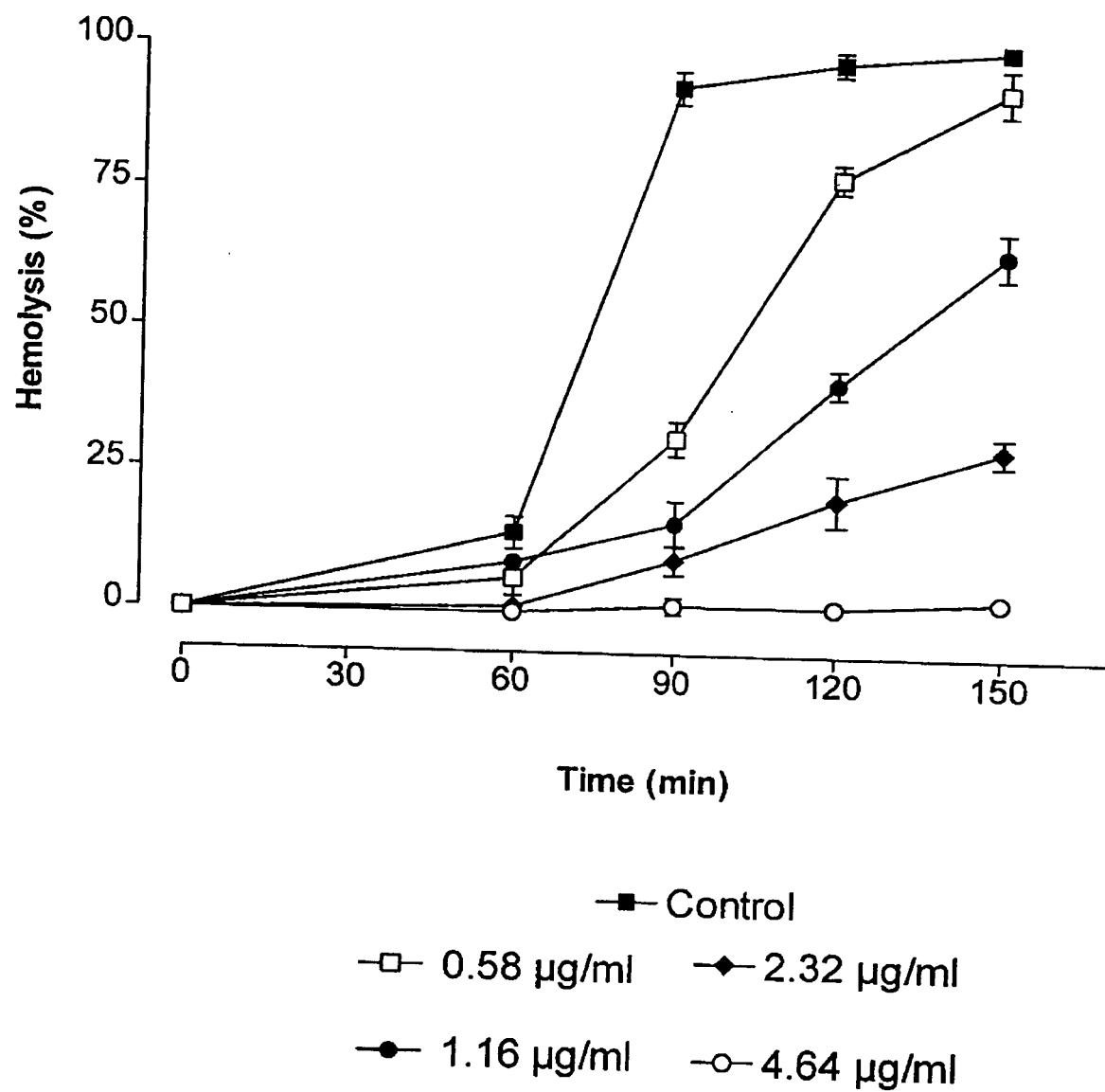


Figure 3

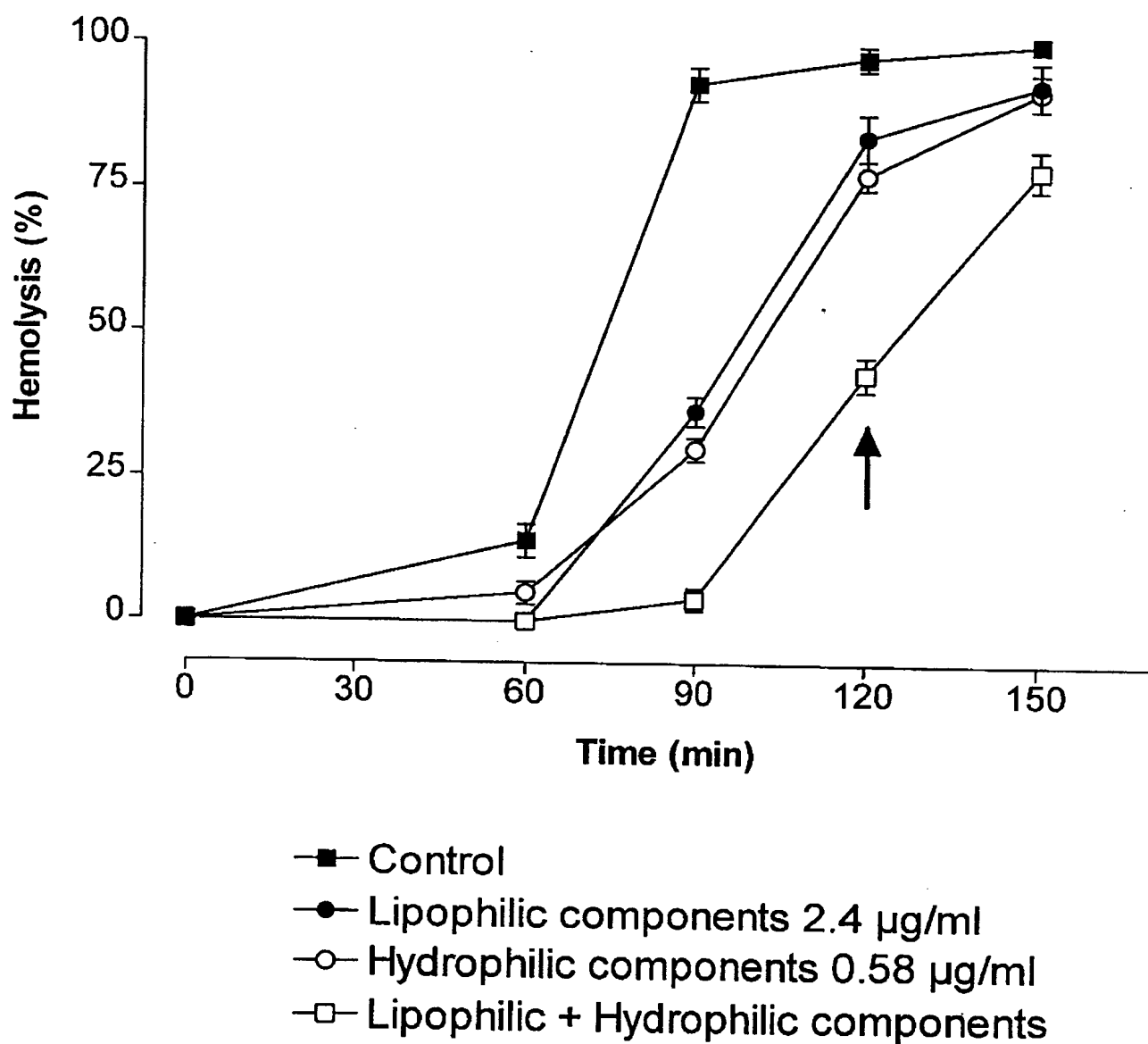
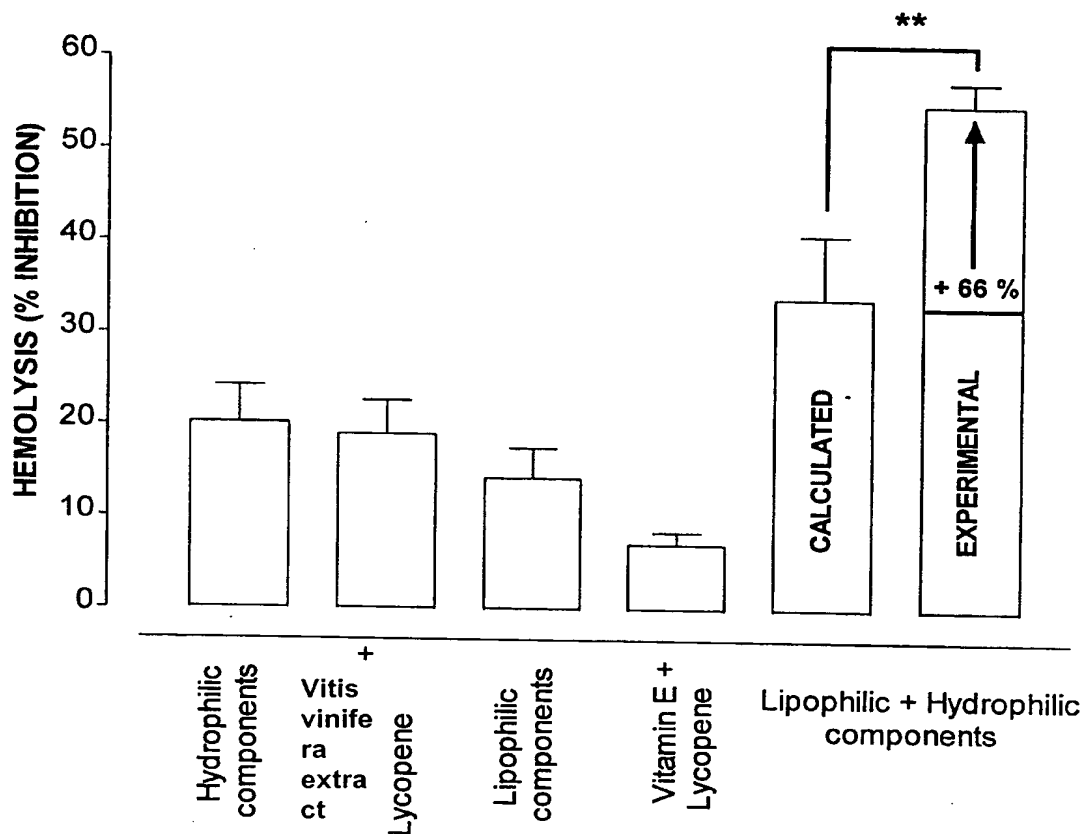


Figure 4



t-test = calculated vs experimental $p < 0.005$

Hydrophilic components: 0.58 $\mu\text{g/ml}$

(Ascorbic acid 0.4 $\mu\text{g/ml}$ + *Vitis vinifera* extract 0.18 $\mu\text{g/ml}$)

Lipophilic components: 2.4 $\mu\text{g/ml}$

(Vitamin E acetate 1.76 $\mu\text{g/ml}$ + β -carotene 0.41 $\mu\text{g/ml}$ + lycopene 0.22 $\mu\text{g/ml}$)

Figure 5

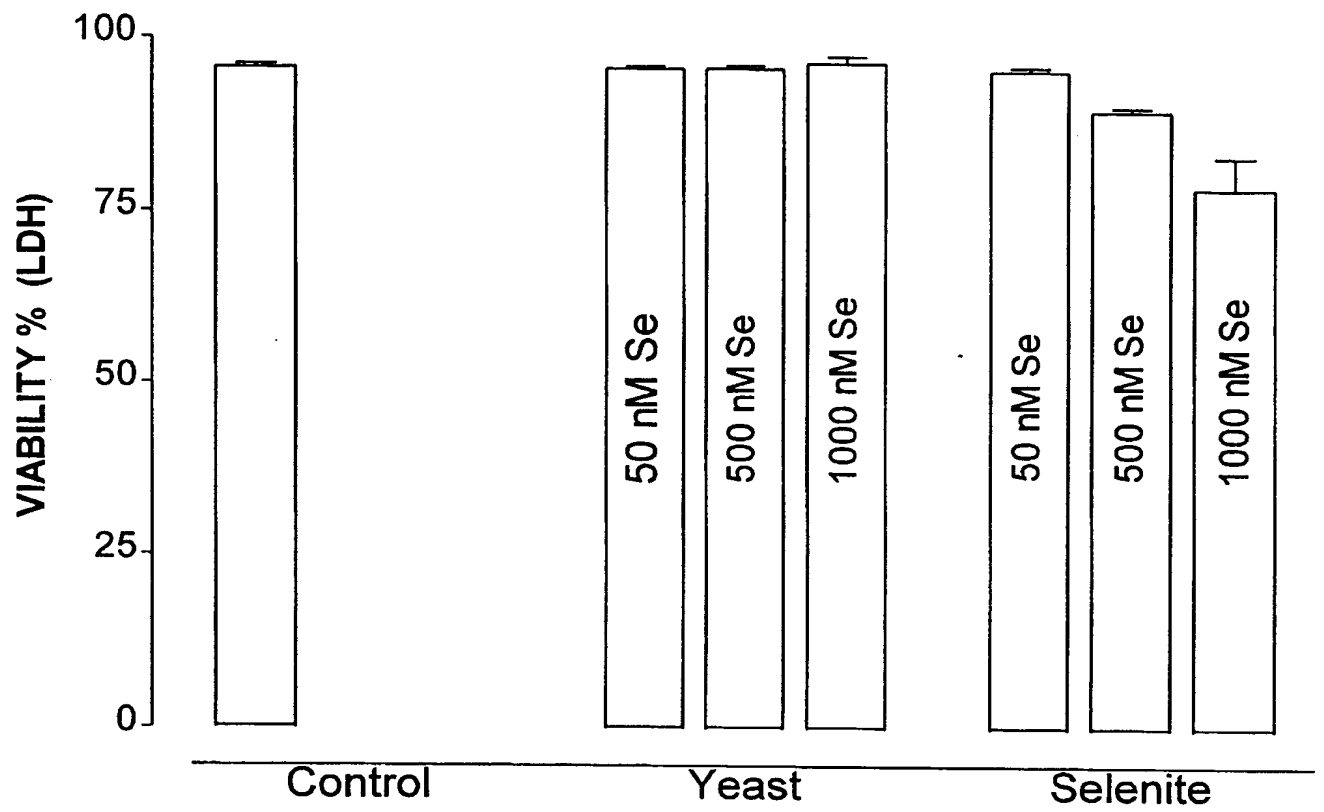
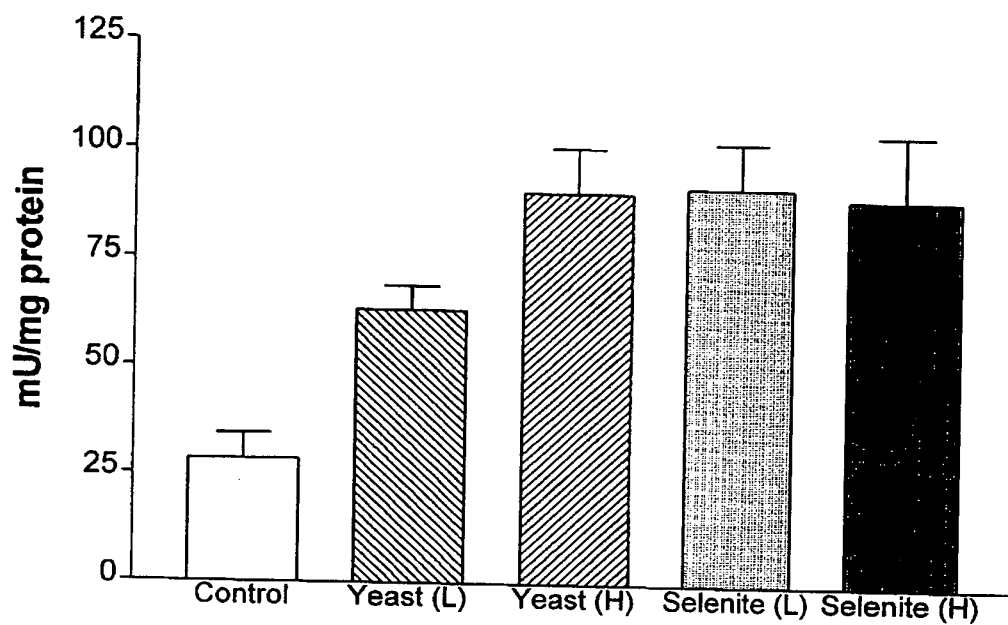


Figure 6



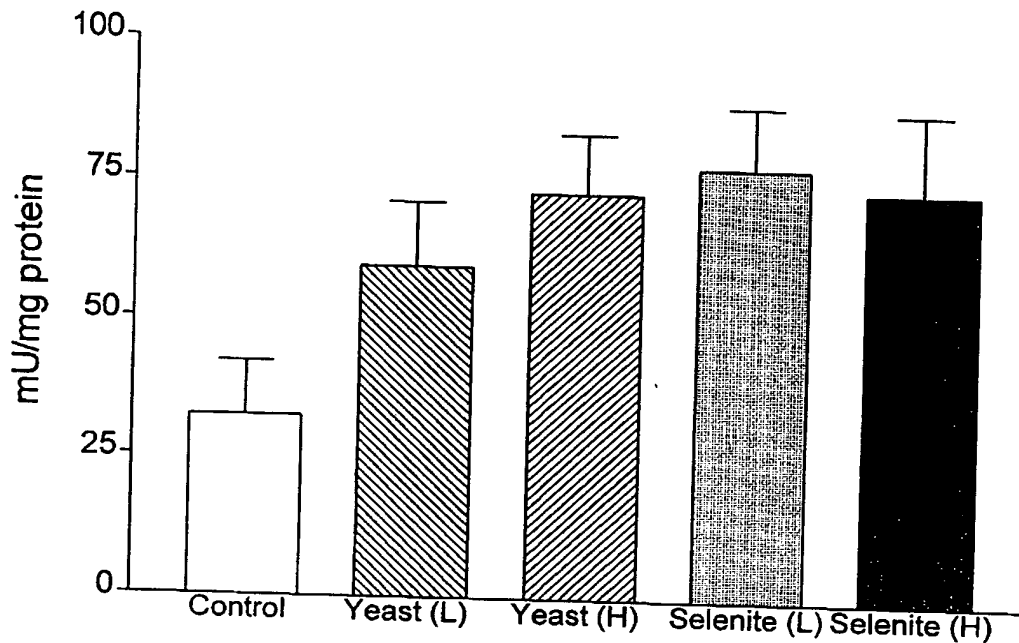
ANOVA, Tukey's post test:

Yeast (L), Yeast (H), Selenite (H), Selenite (L) vs Control $p < 0.001$
 Yeast (L) vs Yeast (H) $p < 0.001$

Legend:

Yeast (L): Selenium yeast (3.95 $\mu\text{g/ml}$): 50 nM Se
 Yeast (H): Selenium yeast (39.5 $\mu\text{g/ml}$): 500 nM Se
 Selenite (L): Na_2SeO_3 50 nM
 Selenite (H): Na_2SeO_3 500 nM

Figure 7



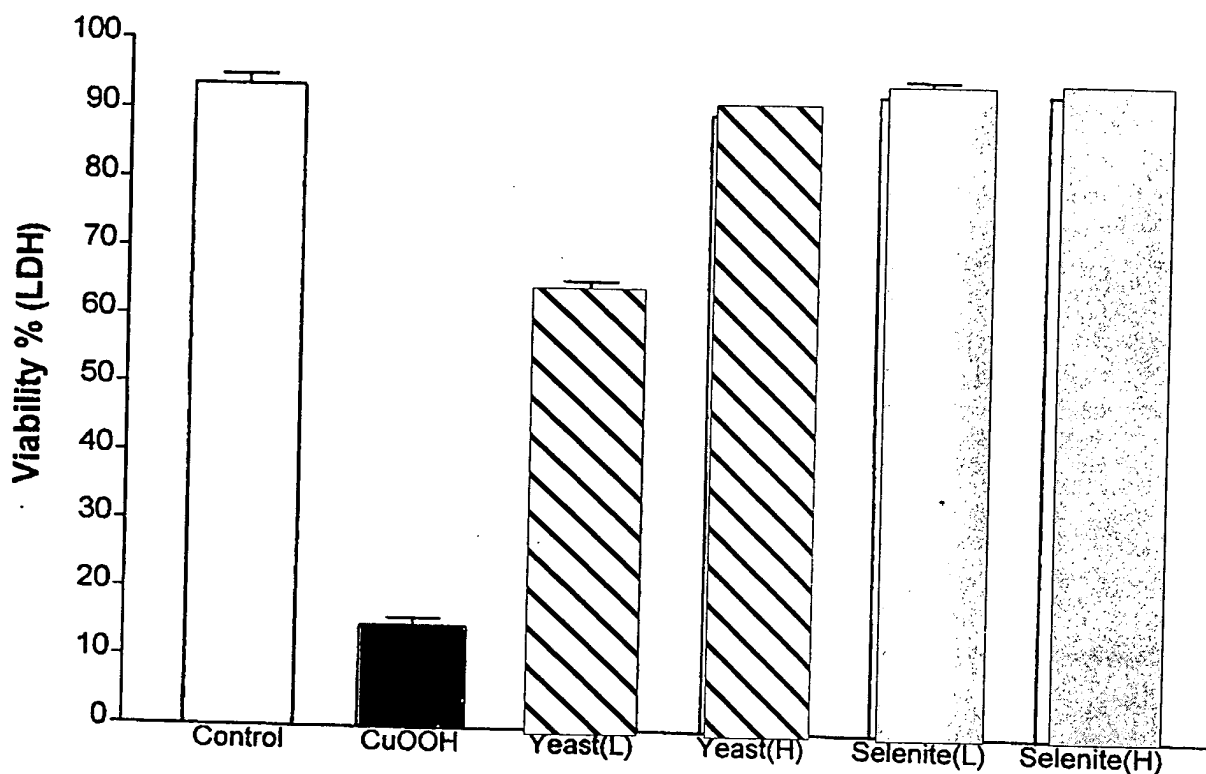
ANOVA, Tukey's post test:

Yeast (H), Selenite (H), Selenite (L) vs Control $p < 0.001$
 Yeast (L) vs Control $p < 0.01$

Legend:

Yeast (L): Selenium yeast (3.95 $\mu\text{g/ml}$): 50 nM Se
 Yeast (H): Selenium yeast (39.5 $\mu\text{g/ml}$): 500 nM Se
 Selenite (L): Na_2SeO_3 50 nM
 Selenite (H): Na_2SeO_3 500 nM

Figure 8

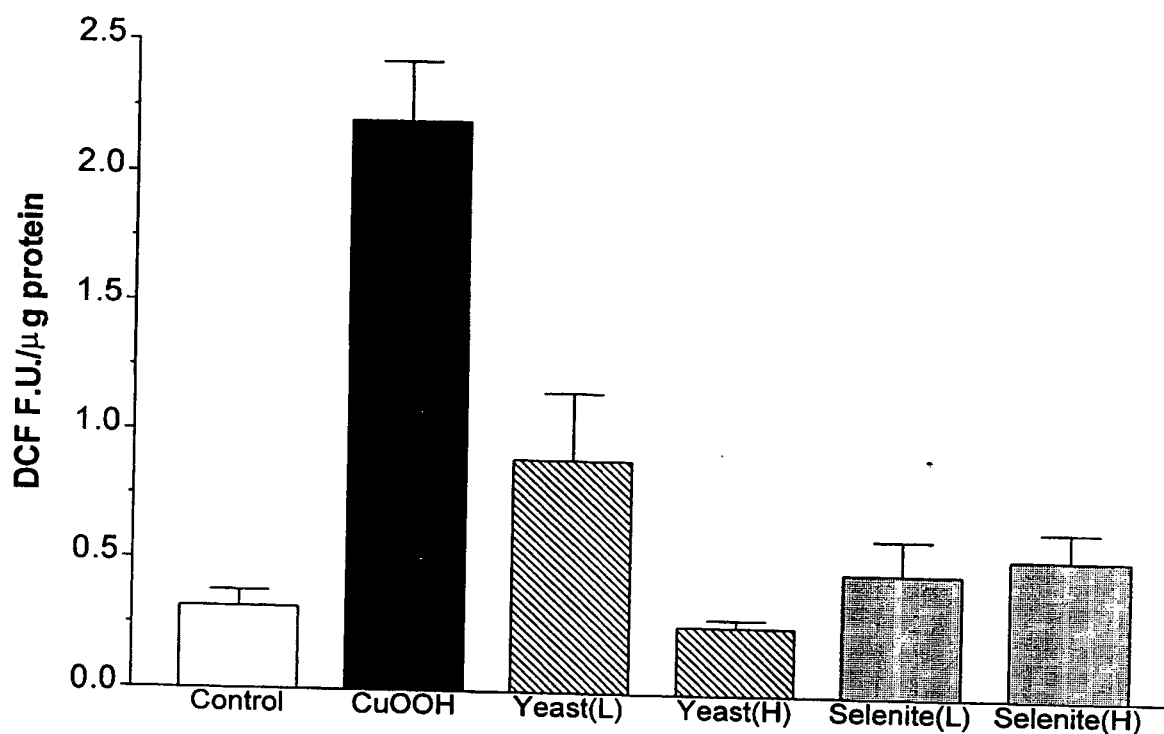


CuOOH = 500 μ M (cell viability determined after 24h incubation)

Legend:

Yeast (L):	Selenium yeast (3.95 μ g/ml): 50 nM Se
Yeast (H):	Selenium yeast (39.5 μ g/ml): 500 nM Se
Selenite (L):	Na ₂ SeO ₃ 50 nM
Selenite (H):	Na ₂ SeO ₃ 500 nM

Figure 9



CuOOH = 500 μ M (DCF formation determined after 24h incubation)

Legend:

Yeast (L):	Selenium yeast (3.95 μ g/ml): 50 nM Se
Yeast (H):	Selenium yeast (39.5 μ g/ml): 500 nM Se
Selenite (L):	Na ₂ SeO ₃ 50 nM
Selenite (H):	Na ₂ SeO ₃ 500 nM

Figure 10